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Quick Installation Guide

8-Port 10/100Mbps Switch with 4-Port PoE

Model # ASW308P

Package Contents:
- Switch with 4-Port PoE
- Power Adapter
- Rubber Feet Cushion (4)
- Quick Installation Guide

Section 1

Introduction

Thank you for purchasing the 8-Port 10/100Mbps Switch with 4-Port Power over Ethernet (PoE).

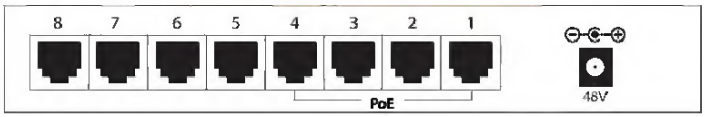
PoE delivers power and data through one single Category 5 (Cat-5) Ethernet cable, eliminating the need to have AC power available at every location of the end-devices such as WLAN access points, IP telephones, and IP cameras. PoE is already widely adopted in the market, saving up to 50% of overall installation costs by eliminating the need to install separate electrical wiring and power outlets.

The Switch can auto-transform between MDI-II or MDI-X type, so you can connect your network devices without worrying about using a standard or crossover Ethernet cable.

Please follow the instructions in this guide to setup the Switch properly.

Section 2

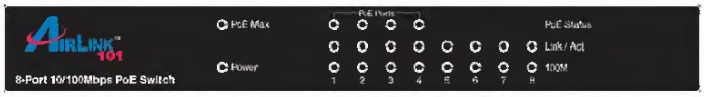
Connecting the Switch



Ports 1 - 4: These ports are PoE-enabled ports. Connect any PoE compatible device to these ports and the Switch will automatically supply power through these ports. If you connect a legacy device that is not PoE compatible, the Switch will not deliver power to the legacy device. This feature allows you to freely and safely mix legacy and PoE compatible devices on your network. The total power resource of the system is 30 watt sharing among the 4 PoE ports (maximum power per port is 15.4 watt).

Ports 5 - 8: These ports are standard Ethernet ports. Connect any legacy device to these ports.

Power Jack: Plug the supplied Power Adapter to the power jack to power on the Switch.



Power
On: When the Power LED lights, the Switch is receiving power.
Off: When the Power LED is off, the Switch is not receiving power.

PoE Status
Green: A PoE device is connected and the port is supplying power.
Red: When the PoE port has the following problem:
- PoE power circuit shortage
- Power over PoE's classification
- Out of PoE voltage range of 44 ~ 57 VDC output

Off: No PoE device is connected.

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PoE Max
On: When the remaining system power is less than or equal to 7.5 watt, this LED will light, and no more power will be provided to additional PoE devices.
Off: When the system has power over 7.5 watt.

For example: When the total power consumption is 25 watt, the PoE Max LED will light because the remaining power is less than 7.5 watt. If another PoE device is connected, the system will not provide power to the additional PoE device.

Priority: This function protects the Switch when the system power is over loaded. The Switch will disable PoE function to the lower priority PoE ports to maintain the power requirement of the PoE port with a higher priority. When the shared power resource is over 30 watt, the system will automatically distribute power according to the priority status of each port. The lower port number has higher priority than the higher port number, Port 1 > Port 2 > Port 3 > Port 4.

For example: Port 2 is using 7 watt and Port 3 is using 15.4 watt for a combined usage of 22.4 watt. If you connect an additional PoE device to Port 1 with 15.4 watt requirement, the shared power resource would be over 30 watt and the priority function would be activated. Since Port 1 has the highest priority, it will have 15.4 watt, Port 2 will have 7 watt, and the system will cut off power to Port 3 due to overcurrent.

Section 3

Specifications

Physical and Environmental

DC Inputs: 48VDC/0.8A
Power Consumption:
• 6.3 watt (max. no PoE device connected)
• 36.3 watt (max. with 30W PoE device connected)
Temperature: Operating: 0° ~ 40°C, Storage: -10° ~ 70°C
Humidity: Operating: 10% ~ 90%, Storage: 5% ~ 90%
Dimensions: 171 x 98 x 29 mm
EMI: FCC Class B, CE Mark Class B
Safety: cUL(UL60950), CB(IEC60950)

General

Standards:
• IEEE 802.3 10BASE-T Ethernet
• IEEE 802.3u 100BASE-TX Fast Ethernet
• IEEE 802.3x Full Duplex Flow Control
• IEEE 802.3af Power over Ethernet
Protocol: CSMA/CD
Data Transfer Rate:
• Ethernet: 10Mbps (half duplex), 20Mbps (full-duplex)
• Fast Ethernet: 100Mbps (half duplex), 200Mbps (full-duplex)
Topology: Star
Network Cables:
• 10BASE-T: 2-pair UTP Cat. 3, 4, 5; up to 100m
• 100BASE-TX: 2-pair UTP Cat. 5; up to 100m
Number of Ports:
• 4 x 10/100 Auto-MDIX RJ45 ports with PoE enabled (port 1 ~ port 4)
• 4 x 10/100Mbps Auto-MDIX RJ45 ports (port 5 ~ port 8)
PoE Power on RJ-45:
• Power+: ping 3 & ping 6
• Power-: ping 1 & ping 2

Performance

RAM Buffer: 96K bytes per device
Filtering Address Table: 1K entries per device
Packet Filtering/Forwarding Rate:
• 10Mbps Ethernet: 14,880/pps
• 100Mbps Fast Ethernet: 148,800/pps
MAC Address Learning: Automatic update
Transmits Method: Store-and-forward

Section 4

Technical Support

E-mail: support@airlink101.com

Toll Free: 1-888-746-3238

Web Site: www.airlink101.com

* Actual data throughput will vary. Network conditions and environmental factors lower actual data throughput rate. Specifications are subject to change without notice. All products and trademarks are the property of their respective owners. Copyright ©2006 Airlink101™

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